Omni IIe
Technical Sheet

DESCRIPTION

Omni IIe is the middle member of HAI's Omni Home Control System product line. It is an ideal and economical choice for homes and small businesses.

The system provides enhanced comfort, safety, convenience and energy savings by coordinating audio, lighting, heating and air, security, scenes and messaging based on activity and schedules.

SECURITY

Omni IIe controllers are CP-01 compliant and UL Listed security and fire systems. They detect intrusion, smoke and fire, carbon monoxide, water, and other hazards with wired or wireless sensors.

Security zones are fully configurable and expandable. You may set the validity of user codes by time and authority. The Omni IIe supervises zones, battery, and bell circuits. Additionally, Omni IIe systems permit true partitioning for security and control. Omni IIe has a built-in digital communicator for use with a central station and can dial up to 8 additional phone numbers chosen by the owner for voice notification.

LIGHTING

An Omni IIe system can control your home lighting by schedule, motion detected, door openings, sunrise, sunset, alarm activation and more. It provides the benefits of a sophisticated lighting control system by setting scenes, fades, and dimming levels.

Omni IIe has an astronomical clock and automatically adjusts for daylight savings time in order to always provide accurate dusk to dawn lighting control.

Omni IIe supports HAI Lighting Control (HLC) products, which include dimmers, Scene Switches, and House Status Switches. It can operate lighting devices by other manufacturers, including Z-Wave™ based devices, ALC hardwire, RF, custom hardwire, and others provided by HAI Connectivity Partners.

ENERGY MANAGEMENT

If you add HAI's Omnistat Communicating Thermostats, you may control your home's temperatures through your Omni IIe system by schedule and activity—such as home, asleep, away, room occupancy, outdoor temperature, etc.

Using HAI temperature and humidity sensors allow for temperature-based programming of events in your Omni IIe. The temperature may be used to activate programs for controlling temperatures in attics, garages, greenhouses, basements, wine cellars, or coolers.

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WHOLE HOME AUDIO

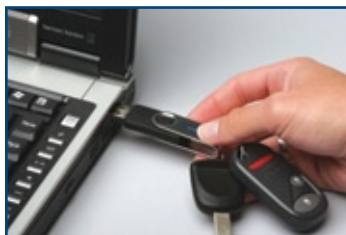The Omni IIe may be interfaced with a Hi-Fi by HAI whole home audio system.

The Omni IIe can control on/off, volume, muting, audio source, and many other functions for each audio zone.

INTERFACE OPTIONS

Each Omni IIe installation must include at least one Omni Console (HAI Part Number 33A00-1) or Omni Console with Built-in Speaker/Microphone (HAI Part Number 33A00-4).

Your Omni IIe system has built-in telephone access with voice menu that you may access when you are inside your home or from outside your home. It also has a built-in modem and Ethernet port that allows remote programming and status, including over the Internet.

Choose from one of HAI's award-winning software options, such as Internet access and control with Snap-Link or Web-Link II (requires Local Area Network), or Home Control for Windows Media Center. You may add additional interface options, such as an OmniTouch 5.7 Touchscreen, to your Omni IIe system.

With Snap-Link or Web-Link II you can securely control your home from any Internet enabled computer. Home Control for Windows Media Center allows you to change settings to your home while sitting on a sofa watching TV.

ACCESSORIES

HAI offers a full line of accessories for HAI Home Control, Lighting Control, Energy Management, and Interface Options. Accessories may be added at the time of initial installation or later as needs change.

HAI has a line of wireless supervised security products that replace wired door and window sensors, as well as wired smoke, motion and glassbreak detectors.

Adding an optional Two-Way Voice Module to your Omni IIe allows it to make announcements by working in conjunction with the speakers located in a console/keypad or with a speaker/microphone module. For example, you can have your HAI Home Control System remind you every Wednesday night at 8:00 PM that tonight is trash night. Note that the Omni IIe system has an expanded vocabulary for these voice notifications and announcements.

Omni IIe systems have three built-in serial ports to allow expansion of your system using other HAI products or products from our Connectivity Partners.

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Omni IIe SPECS	NUMBER	Omni IIe SPECS	NUMBER
Consoles, Keypads & Touchscreens*	8**	16 Zone Hardware Expanders	2
Thermostats	4	64 Zone Wireless Receivers	1***
Temperature Sensors	48	Ethernet Ports	1
Audio Control	Yes	Depluggable Terminal Strips	Yes
Lighting Scenes	64	Format	Contact ID 4/2 3/1
Lighting Devices	64	Transformer Required	24V 40VA
HAI Lighting/Rooms	8	Battery (Typical)	12V 7 Ah
Zones	16	Aux Current Max	1 A
Zone Expanded Total	48	Bell Current Max	1 A
2 Wire Smoke Loops	4	Aux Current (UL 24 hr)	250 mA
4 Wire Smokes	48	Bell Current (UL 24 hr)	300 mA
12 Volt Triggers	8	Warranty	2 Years
Expansion Triggers Total	8		
User Codes	16		
Programming Lines	500		
Vocabulary	550		
Custom Vocabulary	No		
Serial Ports (RS232/RS485)	3		
Serial Expansion Total	4		

* Systems must include at least one console. Each Touchscreen uses 1 console address.

** Recommend using a Touchscreen Hub & Power Supply (HAI Part # 32A30-x) for 3 or more Touchscreens.

*** Wireless Receiver can support 64 transmitters. Wireless receiver can report to 16, 32, 48, or 64 zones depending on setup. Each group of 16 zones counts as one expansion enclosure.

Omni IIe Controller

In enclosure	**20A00-50**
On mounting plate	**20A00-52**

OMNI IIe
AUTOMATION

SERIAL PORTS

HAI Lighting Control	
Serial to PC Cable	**21A05-2**
Serial Connectivity Cable	**36A05-4**
Hi-Fi by HAI	**62A00-1 or**
	62A00-2

EXPANSION

Zone Expander	**10A06-1**
Serial Board	**10A17-1**
ALC Lighting	

AUDIO

Omni Console w/ Spkr/Mic	**33A00-4**
Surface Speaker/Mic	**28A00-1**
Flush Speaker/Mic	**28A00-2**
Two-Way Voice Module	**10A11-1**

ETHERNET PORT

See HAI Software Options

2 way X-10 Interface Kit   **10A09-7**

TRANSFORMER

24V, 40 VA
(12V Battery)

USER INTERFACE

OmniTouch Touchscreens & Consoles

TELEPHONE INTERFACE

PC Access
Telephone

EXPANSION

HAI Wireless	**45A00-1**
Wireless Receiver	**42A00-1**
Expansion Enclosure	

SECURITY & ENERGY MANAGEMENT

Temperature Sensor	**31A00-7**
Temperature/Humidity Sensor	**31A00-8**
Standard Security/Fire/Environmental Sensors	

COMFORT & CONVENIENCE

HAI Omnistat thermostats

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Omni IIe PARTS LIST

Controllers:		Accessories:	
Description	**Part #**	**Description**	**Part #**
Omni IIe Controller	**20A00-50**	Two-Way Voice Module	**10A11-1**
Omni IIe Controller for Structured Wiring Enclosures	**20A00-52**	RS-232/RS-485 Serial Board	**10A17-1**
Omni IIe Board Only	**20A00-53**	8 Relay Module	**19A00-1**
Omni IIe Kit with Flush Console	**Promo12e**	Omni IIe Chip Upgrade Version X.X	**20A04-50UPG**
Omni IIe Kit for Structured Wiring Kit with Flush Console	**Promo12eS**	Universal Mounting Plate	**20A07-2**
Omni IIe Kit with Surface Mount Console & Snap-Link	**Promo13e**	Enclosure Lock and 2 Keys	**21A06-1**
Omni IIe Kit for Structured Wiring Enclosures & Snap-Link	**Promo13eS**	16 Zone Hardwire Expander	**10A06-1**
Omni IIe Starter Kit	**Promo14e**	4 Relay Module	**10A07-1**
		Two-Way X-10 Transceiver Kit	**10A09-7**

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